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·	INF	ORMATION R		CD NO.		
COUNTRY	UNIT (Georgian SSR)	CONFI	DENTIAL	DATE DISTR	2 16	
SUBJECT	Mhram GFS Power Ila	ant near Molotovka		NO. OF PAGES	3 March 3	1952
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5X1						÷.
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5X1		,				
2.	maters from the we allove son level. The the power plant wo a hare slope measure	of the Khram-Tos hyd /41033'E), Georgian storn bank of the Kh he river is hemmed i ald probably be diff ring 2,000x500 meter ght serve as a landm	ran diver alo n by steep, we icult to spot	ted about 100 ut 1,000 meter ooded siopes s	o that	71
·2.	The water chamber : the power plant. The fibres supply pipes ness of 25 rm led 1 consisted of walded		p the slops, all e water resem- ter of 1.2 med er to the powe	vors serminated ters and a wall or plant, The	there. thick- pipes	
4. 3. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	The main building o	f the power plant was 18x25 moters. (2) Th	1)			
5X1 ^k	and a transmitter w	switchboards. Tuchnore on the third flo ore on the third flo were located on the leach other ly stee	four to 1100rs. The	the telephone Then comprised	a exchange l several	25X ⁻
	, and do only significantly i		DENTIAL		•	
STATE COX	CLASS FICATION ON THE NAVY	ON MANUEL AND ADMINISTRA				25X
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		CEMTRAL INTELLIGENCE ACENCY	25X1 25X1
25X1 25X1 25X1	5,	The main twitching boused three turbines. the three turbines, which took up a third of the basement, were they must criginally have come from Germany since the German eagle and the swestike were visible under the new coar of paint. According to the large traveling crane and	25X 1
		the insulators of the open-air installation had once from parony. The switchboards and cables were of instain origin, wene of the insulators and switching installations and boards incred. Electric rotors, latines and willing machines were of also as could be escentained from firm plates.	25X 25X
25X1	6.	three turkines had a normal output of slightly more than 30,000 km. One of the three turkines was to be kept in reserve. The first turbine started operating on 31 December 1947, the second was tested in the spring of 1949, the third had not been used by June 1948	25X ²
25X1			20/
25X1	Ĩ.	that they had a capacity of 30,000 km each. The wirst turbine was in use on 1 key 10%, the second on31 December 1946 and the third on 1 key 10%, feedly only two turbines were in operation sines there was not enough water for all three turbines.	
25X1	δ.	The perpositivilar shuft was about 6 meters long, at had a diameter of 60 cm at the point were the lades were attached, of 70 cm in the middle, and of 50 cm at the upper end. The blades were 30x60 cm large. The blades are driven by three pipes each of which served three blades. The water pressure was thereased by the instablation of a nessle at the mouth of the pipes. The generator was nounted at the upper end of the turbine shaft. From there the current was sent to the cable room on the fifth floor through a cable duct which in the middle of the room met the cable ducts of the other two generators.	
	9.	The towers of the high-tension line to Tiflis were about 15 meters high and cloud 500 meters apart. The line consisted of three cables about the thickness of a finger. (3)	
	10,	In addition to 25 specialists from Legingrad about 50 Coviet workers including a few vomen were employed in the wain building of the lower plant. Another 100 lawers worked in the workshops. The Pig were gradually replaced by Loviets.	
25X1	11.	After the third turbine had started operating on 1 May 1042 the power plant was fully serviceable. It was to supply fiflis. Except for an administration building and snother building presumably a lockswith slop, for which the foundations were being Reid, construction work at the power plant was completed.	25. 1
25X1	12.	the power plant started everating on I functions and that it delivered current to Tiflis. The core of the con is of exercise and its profile line is convent toward the reservoir. Larth was piled on both sides of the concrete core of the day which at the bottom is flur tiles so wide as at the exert. The earth was secured by quarry stance. Five water inlets were on the northern side of the day and the every mater was returned to the old river bad via stope built of quarry stance. The day water the returned to the old river bad via stope built of quarry stance. The day was 150 meters long and a motors wide at the exert. It the highest point over the river and it was 20 meters high.	25)
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		CENTRAL INTELLICENCE ACENCY	25X1 25X1
		13. The reservoir and the vater chamber are connected by a turnel which had to be blasted through the rocks. The turnel has are oval cross section, the roof having a flatter arching than the lottom. Tall P's could just reach the roof with their finger tips. (5)	
25X1		(1) beenments.  (1) beenment I for sketch indicating the location of the power plant, among 2 contains a sketch map of the power plant and	
25X1	. (	(2) See Annexes 3 and 4 for detailed sketches of the win building	25X1
25X1	. (	of the power plant.  See Annex 5 for a layout sketch of the power plant and a list of plant installations.  See Annex 6 for sketch of the reservoir provided by Poth the attached location sketches and the detailed drawings of the power plant are in a recoment with previous information.	25X1 25X1 25X1
		6 Arnoxos: 6 - blueprints.	

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